



PATENT  
P56623

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

YOUNE-SANG LEE, *et al.*

Serial No.: 10/078,376

Examiner: GRANT, CHRISTOPHER C

Filed: 21 February 2002

Art Unit: 2611

For: SYSTEM AND METHOD FOR RESTORING DIGITAL TV SIGNAL

**INFORMATION DISCLOSURE STATEMENT**

**Mail Stop: Application Number**

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

**FOREIGN PATENT REFERENCES:**

- Japanese Patent Publication No. 2001-117829 to Tojima, entitled *INFORMATION TRANSMISSION SYSTEM*, published on 27 April 2001;
- Japanese Patent Publication No. 10-322670 to Shirota, entitled *VIDEO/SOUND TRANSMITTING SYSTEM*, published on 4 December 1998;

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Date: 9/28/04

I.D.: REB/ny

- Japanese Patent Publication No. 09-331467 to Sawada, entitled *AV SIGNAL RADIO TRANSMITTER*, published on 22 December 1997; and
- Japanese Patent Publication No. 2000-134502 to Yao, entitled *AUDIO VIDEO DISTRIBUTOR*, published on 12 May 2000.

**OTHER DOCUMENT:**

- *Japanese Office Action* from the Japanese Patent Office issued in Applicant's corresponding Japanese Patent Application No. 2002-007181 dated 22 June 2004 (English abstract is not enclosed).

**DISCUSSION**

As written in the Japanese Office action issued by the Japanese Patent Office on the 22<sup>nd</sup> June 2004 in applicant's corresponding Japanese Patent application, solutions of the invention described in claims 1 through 6, 7 through 9, 10 through 13 and 14 through 17 are not the same. This invention could be easily invented by people who have ordinary knowledge in a field of this technique prior to filing an application. Therefore, this application cannot be accepted under Japanese Patent Law 29, Article 2.

**Tojima JP'829** discloses that the information transmission system has a personal computer 1, a television receiver 6, a console panel 6, and a repeating controller 2 which repeats the personal computer image signal v and personal computer sound signal a from the personal computer 1 in personal computer mode, and repeats and transmits the NTSC image signal b and NTSC sound

signal c from the personal computer 1 to the television receiver 6 by radio in theater mode and also transmits the instruction signal from the console panel 4 to the personal computer 1, and the repeating controller 2 has a sound mixing circuit which mixes the personal computer sound signal and NTSC sound signal with each other.

**Shirota JP'670** discloses that an antenna 6 receives a radio wave transmitted from the antenna of an analog input/transmission unit. A reception amplifier 21 executes RF signal amplification on the received radio wave and it is supplied to a frequency converter 22. The frequency converter 22 converts a frequency and a demodulator 23 executes digital demodulation. Error detection/error correction procesings by using an error correction code are executed on the demodulated digital signal by an ECC decoder 24, and the digital video signal and the digital sound signal in the state of an MPEG 2 system are obtained. A prescribed processing is executed on the digital video and the sound signal by a video code and an audio code and they are outputted to the video/sound input unit as the analog video/sound signal.

**Sawada JP'467** discloses that when preventing the illegal copy of AV signals to an external storage device, etc., for example, download information or IC card information from a center is stored at a communication terminal 1a of AV equipment on the side of transmission and corresponding to this information, a protect signal for preventing the illegal AV signal copy is transmitted from the terminal 1a to an AV signal radio transmitter 10a. As a result, the AV signal is outputted from an AV signal radio receiver 20a connected to a TV 2a having no signal recording function but no AV signal is outputted from a receiver 20b connected to a VTR 2b having the signal recording function and the illegal copy can be prevented. Thus, since the selection information of the desired connection form is integrated beforehand, base on the information concerning the ID From various AV equipment to be connected or the state of the system, the AV equipment can be connected in the prescribed form.

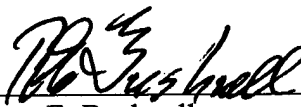
**Yao JP'502** discloses that an AV device selection button 13 is used to select a desired AV

device 19 and a remote commander 20 instructs reproduction or the like. An audio.video transmitter 16 analyzes AV device selection information in a message sent in a form of a radio wave from an audio.video receiver 11 and selects the AV device 19 and allows an infrared ray emission section 17 to emit infrared ray data based on the message sent in a form of radio wave from the audio.video receiver 11 and controls transmission of the infrared ray data to the AV device 19. The audio.video receiver 11 receives audio.video data sent in a form of radio wave from the selected AV device 19 and displays the data on a television receiver 15.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

No fee is incurred by this Statement.

Respectfully submitted,



Robert E. Bushnell

Reg. No.: 27,774

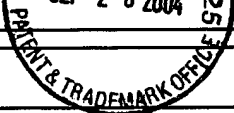
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**INFORMATION DISCLOSURE STATEMENT**

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APPLICANT

YOUNE-SANG LEE

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GROUP

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**U.S. PATENT DOCUMENTS**

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

**FOREIGN PATENT DOCUMENTS**
**TRANSLATION**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	JP 2001-117829	04/01	JAPAN			Abstract	
	JP 10-322670	12/98	JAPAN			Abstract	
	JP 09-331467	12/97	JAPAN			Abstract	
	JP 2000-134502	05/00	JAPAN			Abstract	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

*Japanese Office Action* from the Japanese Patent Office issued in Applicant's corresponding Japanese Patent Application No. 2002-007181 (dated 22 June 2004).

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.